

Sheet 1 of 1

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
500.43322X00SERIAL NO.
10/729,925LIST OF DOCUMENTS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT

A. SHIMADA et al

FILING DATE

December 9, 2003

GROUP

2181

U.S. PATENT DOCUMENTS

* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
DD	AA	6,898,672	05/24/05	Lambright et al			
	AB	2004/ 0088417	05/06/04	Bober et al			
	AC	2003/ 0115434	06/19/03	Mahalingham et al			
	AD	2003/ 0097393	05/22/03	Kawamoto et al			
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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FORM PYO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 500.43322X00		SERIAL NO. 10/729,925	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT A. SHIMADA et al		GROUP 2188	
				FILING DATE December 9, 2003			
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DD	AA	2003/ 0115218	06/2003	Bobbitt et al			
	AB	6,484,245	11/19/02	Sanada			
	AC	6,742,090	05/25/04	Sanada			
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	AE	6,606,695	08/12/03	Kamano			
	AF	2004/ 0153605	08/05/04	Nakamura			
	AG	2003/ 0229698	12/11/03	Furahashi			
	AH	2003/ 0120743	06/26/03	Coatney			
	AI	2003/ 0115282	06/19/03	Rose			
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DD	AR	Swartz, K., "Multiple Volumes and Multiple RAID Groups on NetApp Fliers", Network Applcance Report TR 3027, no date, from Google cache online.					
	AS	Rangel, G., "Hitachi Freedom Storage: Thunder 9200 Architecture and Performance Configuration Guidelines", Hitachi Data Systems, 2001, pp.1-27.					
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LIST OF DOCUMENTS CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				APPLICANT A. SHIMADA et al				
				FILING DATE December 9, 2003		GROUP 2188		
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	AE	5,973,690	10/26/99	Ofer				
	AF	6,507,896	12/14/03	Sanada				
	AG	2004/ 0168033	08/26/04	Sanada				
	AH	6,523,096	02/18/03	Sanada				
	AI	2002/ 0083285	06/27/02	Sanada				
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	AC	6,742,090	05/25/04	Sanada			
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	AF	2001/ 0008010	07/12/01	Sanada			
	AG	2005/ 0172052	08/04/05	Sanada			
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* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	FILING DATE (If Appropriate)		
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	AB	6,279,046	08/2001	Armstrong et al				
	AC	6,542,926	04/2003	Zalewski et al				
	AD	6,247,109	06/2001	Kleinsorge et al				
	AE	6,021,481	02/2000	Eickemeyer et al				
	AF	6,330,653	12/2001	Murray et al				
	AG	6,438,671	08/2002	Doing et al				
	AH	2002/ 0065982	05/2002	Colligan, Tom				
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DD	AA 6,742,034	05/2004	Schubert et al			
	AB 2005/ 0021727	01/2005	Matsunami et al			
	AC 2004/ 0215915	10/2004	Block et al			
	AD 2002/ 0161891	10/2002	Higuchi et al			
	AE 2003/ 0177176	09/2003	Hirschfeld et al			
	AF 2004/ 0210591	10/2004	Hirschfeld et al			
	AG 2004/ 0215859	10/2004	Armstrong et al			
	AH 2004/ 0215860	10/2004	Armstrong et al			
	AI 2004/ 0181589	09/2004	Suleiman, Yaser I.			
	AJ 6,839,796	01/2005	Dawson et al			
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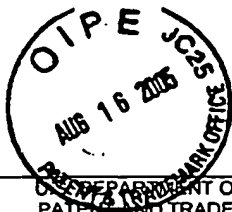
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* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE <i>(If Appropriate)</i>	
DD	AA	2005/ 0005064	01/2005	Ito et al			
	AB	6,684,209	01/2004	Ito et al			
	AC	2002/ 0052914	05/2002	Zalewski et al			
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	AE	2004/ 0212511	10/2004	Ahrens et al			
	AF	2005/ 0050085	03/2005	Shimada et al			
	AG	2003/ 0055933	03/2003	Ishizaki et al			
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LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT A. SHIMADA et al	
		FILING DATE December 9, 2003	GROUP 2171

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

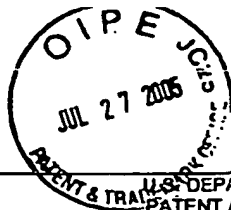
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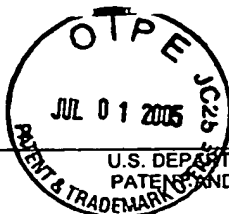
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↓	AS	Gelb, J.P., "System-Managed Storage", IBM Systems Journal, Vo. 28, No. 1, Jan. 1989, pp. 77-103.						
↓	AT	Kaczmariski, M. et al, "Beyond Backup Toward Storage Management", IBM Systems Journal, Vol. 42, No. 2, 2003, pp. 322-337.						
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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10/729,925LIST OF DOCUMENTS CITED BY APPLICANT
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A. SHIMADA et alFILING DATE
December 9, 2003GROUP
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U.S. PATENT DOCUMENTS

* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
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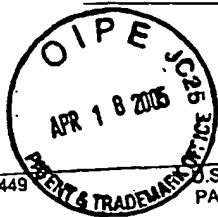
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(REV. 7-80)**LIST OF DOCUMENTS CITED BY APPLICANT**
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* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
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	AD 6,851,022	02/01/05	Ikeuchi et al			
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	AH 6,425,049	07/23/02	Yamamoto et al			
	AI 6,507,905	01/14/03	Hubacher et al			
	AJ 6,519,679	02/11/03	Devireddy et al			
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10/729,925**LIST OF DOCUMENTS CITED BY APPLICANT**
(Use several sheets if necessary)APPLICANT
A. SHIMADA et alFILING DATE
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GROUP

U.S. PATENT DOCUMENTS

* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
DD	AA 2004/ 049564	03/11/04	Ng et al			
	AB 2004/ 0111596	06/10/04	Freeman Leigh Rawson, III			
✓	AC 2005/ 0015546	01/20/05	Zohar et al			
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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	AS		
	AT		

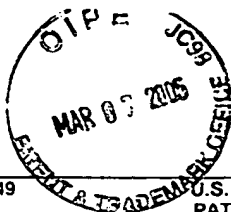
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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 500.43322X00	SERIAL NO. 10/729,925
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT A. SHIMADA et al	
		FILING DATE December 9, 2003	
		GROUP	

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* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
DD	AA 5,657,470	08/12/97	Fisherman et al			
	AB 6,275,824	08/14/01	O'Flaherty et al			
	AC 6,275,825	08/14/01	Kobayashi et al			
	AD 6,502,193	12/31/02	Barber			
	AE 2002/ 0099837	07/25/02	Oe et al			
	AF 2003/ 0023868	01/30/02	Parent			
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
DD	AA	2001/ 0047487	11/29/01	Harris et al			
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	AP						<input type="checkbox"/>	<input type="checkbox"/>

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DD	AR	Buck, A.L. et al, "The Storage Server as Virtual Volume Manager", IEEE Comput. Soc., April 1993, USA 26-29, pp. 79-86.
I	AS	Gelb, J.P., "System-Managed Storage", IBM Systems Journal, Vo. 28, No. 1, Jan. 1989, pp. 77-103.
✓	AT	Kaczmariski, M. et al, "Beyond Backup Toward Storage Management", IBM Systems Journal, Vol. 42, No. 2, 2003, pp. 322-337.

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APPLICANT

A. SHIMADA, et al

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 5 0 2 1 6 2	12/02	Blumenau et al			
	6 7 1 5 0 3 1	3/04	Camble et al			
DD	2 0 0 9 5 6 0 2	7/02	Pherson et al			
	2 0 0 1 0 3 9 1 3	8/02	Tawil et al			
	2 0 0 1 0 4 0 0 8	8/02	Cochran et al			
	2 0 0 0 5 5 9 7 2	3/03	Fuller et al			
	2 0 0 1 1 5 4 4 7	6/03	Pham et al			
✓	2 0 0 6 4 7 2 9	4/04	Yelledpeddy			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

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W1283-01

INFORMATION UNDER 37 CFR 1.56(a)

(For Initial Filing)

The following references are submitted as information
to comply with the duty of disclosure under 37 CFR 1.56(a):

References	Disclosed in the specification?		Copy			Translation	
	Yes	No	Enc.	Follow	Not- enc.	Enc.	Not avail- able
1. JP-A-2002-149599		<input type="radio"/>	<input type="radio"/>			<input type="radio"/> (only abstract)	
2. US 2002/0107810 A1 (corresponding to JP-A- 2002-230189)		<input type="radio"/>	<input type="radio"/>				
3. US 2003/0014600 A1 (corresponding to JP-A- 2003-30053)		<input type="radio"/>	<input type="radio"/>				
4.							
5.							

Concise explanation (relevant portions)

2/6/86